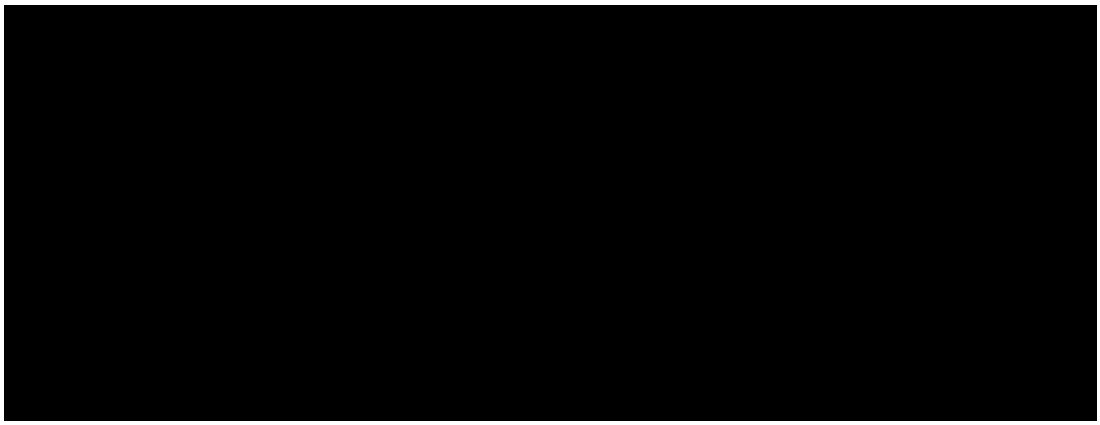
Formative Assessment

A. Fill in the blank with the correct word or phrase.

1. _____ measures the strength of the linear relationship between two variables.
2. _____ is a graphical display of the relationship between two variables.



B. Given each set of data below, do the following:

a. Construct a scatter plot and state the trend that each data each displays.
b. Calculate for the correlation coefficient between the two variables and interpret.
c. Calculate the sample coefficient of determination and interpret.
d. Test is there is a significant correlation between the two variables.

1. The data below gives the test scores and the grades in statistics of a random sample of eight students.

Test Score	60	66	44	70	50	64	88	62
Statistics Grade	73	76	61	77	68	74	94	68

2. In an urban area, a random sample of seven houses was chosen. Data on floor area (in square meters) and house price (in million pesos) are tabulated below.

Floor Area (*in square meters*)	80	76	60	58	90	90	100
House Price (*in million pesos*)	1.5	1.3	0.9	1.0	1.9	2.0	2.5